

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/578,158
Source: JFWP
Date Processed by STIC: 05/16/2006

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IFWP

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PATENT APPLICATION: US/10/578,158

DATE: 05/16/2006

TIME: 09:46:53

Input Set : A:\E5106-00003 Motoneuronotrophic Factor Gene Sequences.txt
 Output Set: N:\CRF4\05162006\J578158.raw

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3 <110> APPLICANT: XUE, Bob, Baoguo
5 <120> TITLE OF INVENTION: Motoneuronotrophic Factor Gene Sequences
7 <130> FILE REFERENCE: E5106.00003
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/578,158
C--> 9 <141> CURRENT FILING DATE: 2006-05-04
9 <150> PRIOR APPLICATION NUMBER: 60/518,581
10 <151> PRIOR FILING DATE: 2003-11-07
12 <160> NUMBER OF SEQ ID NOS: 32
14 <170> SOFTWARE: PatentIn version 3.3
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1859
18 <212> TYPE: DNA
19 <213> ORGANISM: Homo sapiens
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24 ctaagccccac gctctctgag aaggccttgc atacactgaa ctccctcatg tatttcactg 120
26 acaactgttt tctgtgccc tgaagagttt caagagcacc ttgaaaacac aagcaaacat 180
28 atcatatatcaa cttccaggca tctaattaaat tgtgcaccaa aatcggttacc cttccaatct 240
30 tgcaacagaa gagcaaaagc tgcttagacc ttactcaaag gctccaaagc agaaacaagt 300
32 tttgttctt gcagcaatgt gtaacagagg aaacagatgt cctggaaagat cccatggct 360
34 gtttcaggtg agatgaaacc aatgctgcac acgaagattc atctcaaatg aaatgcacag 420
36 gaaaagccaa ttactttatg tgaataaaaag aataaatccc taaaggcgtg gttctcaacc 480
38 agagtatac caccacacc ccagagggca tttgggaaatt cttggggaca ttttgggtg 540
40 acacactgaa ctgctggatg ctatcagcat ttagtaggtt tgctcgatgt cttgcagaag 600
42 gacatgatgg tcctacacag taaggaatgg attacccata atattaatag cagccccc 660
44 tacacacttt tgacaccctt ccctaaagga ttaatatgct ccaacccctt tgcctccaca 720
46 gttcagtgcc tctccctacc ctcaccatga tcggatgaaa aaaaataagg tttcacagct 780
48 taagagtgaa attctggaaat ccaactacaa gctcataact gtagcatgaa acctggtagt 840
50 agcataataa ataaatttt agtaagaggc ttaagaaatt ttagcaaaaa aagcactccc 900
52 tttcttcctc cctacatatac tcataatgtt ttcaacacaa aaaattctgt gattttagag 960
54 aaacttctta cagtagttt aagttcaaaa ccagatgctc attacagttc ttttaaacac 1020
56 caaactagtc atctcaaaaa tatggctaac tctctggact aaattccata ggaaaaaatta 1080
58 ttaatttcaa aatgcctaat ttgtatcaaa tgcctgaaag agccaaaggc aatcatgtcc 1140
60 tgcttctcac tcagggcaga gttccatgag gtcagaaaag ctccaatgat atccggaggt 1200
62 ctgtcagaga ttaaaatatac atcctaacaa ttcacaagct acttctaagt gttaccctaa 1260
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66 caaaaaacca aaccaaatga aaacaaaacc caggctattt gcaggggggg ggaaagagat 1380
68 accccaaaag tcaaccctat ttcacagtag ttaaaagagt gatccaacag atattaccct 1440
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72 tcacccaaaaa gaatcttaag atgttaacttc atcactcaac ttgccaattt gcaaatacg 1560
74 gccccccat ccctttggc caatttcta gatgcctgac cttagcagaca gacctgttt 1620
76 cctccctgcca ggcctttttt gccctcccgcc taggagcctg ggaaatcccc ctccaacctt 1680
78 ttgctggcct gtcaccagaa gttcataaaaa tgaattcatac cagattctt gatccctcct 1740

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175	tgggaccagg	gcccttcagt	attctacctc	cagaccgc	ctaagccac	gctctctgag	2580
177	aaggccttg	atacaactgaa	ctccctcatg	tatttcaactg	acaactgttt	tctgtgccca	2640
179	tgaagagttt	caagagcacc	ttgaaaacac	aagcaaacat	atcatatcaa	cttccaggca	2700
181	tctaattaat	tgtgcaccaa	aatcgttacc	cttccaatct	tgcaacagaa	gagaaaagc	2760
183	tgcttagacc	ttactcaaag	gctccaaagc	agaaacaagt	tttgcttctt	gcagcaatgt	2820
185	gtAACAGAGG	AAACAGATGT	CCTGGAAGAT	CCCATGGTCT	GTTTCAGGTG	AGATGGAACC	2880
187	aatgctgcac	acgaagattc	atctcaaatg	aaatgcacag	gaaaagccaa	ttactttatg	2940
189	tgaataaaaag	aataaatccc	taaagcagtg	gttctcaacc	agagtgatac	caccacacc	3000
191	ccagagggca	tttgggatt	cttgggaca	ttttgggtg	acacactgaa	ctgctggatg	3060
193	ctatcagcat	ttagtaggtt	tgctcgatgt	cttgagaag	gacatgatgg	tcctacacag	3120
195	taaggaatgg	attacctaca	atattaatag	cagccctcca	tacacacttt	tgacaccctt	3180
197	ccctaaagga	ttaatatgtct	ccaaaccttcc	tgtccccaca	gttcagtggc	tctccctacc	3240
199	ctcaccatga	tcggatgaaa	aaaaataagg	tttacacagct	taagagtgaa	attctggat	3300
201	ccaaactacaa	gctcataact	gtacatgga	acctggtagt	agcataataa	ataaattttt	3360
203	agtaagaggc	ttaaaaattt	ttagaaaaaa	aagcactccc	tttcttcctc	cctacatatac	3420
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207	aagttcaaaa	ccagatgctc	attacagttc	ttttaaacac	caaactagtc	atctaaaaaa	3540
209	tatggtaac	tctctggact	aaattccata	ggaaaaattt	ttaatttcaa	aatgcctaatt	3600
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213	gttccatgag	gtcagaaaag	ctccaatgt	atccggaggt	ctgtcagaga	ttaaaaatatc	3720
215	atcctaacaa	ttcacaagct	acttctaagt	gttaccctaa	attagtcact	aatcgttct	3780
217	cccccaacac	tatttcacaa	attaaagttt	acagaattga	caaaaaacca	aaccaaatga	3840
219	aaacaaaccc	caggctattt	gcaggggggg	ggaaagagat	accccaaaag	tcaaccctat	3900
221	ttcacagtag	ttaaaagagt	gatccaaacag	atattaccct	ccataaagta	ccctaaaggc	3960
223	aggagaatc	tttccctac	actatctaaa	ttttcccaac	tcacccaaaa	gaatcttaag	4020
225	atgttaacttc	atcactcaac	ttgccaattt	gcaaatacg	gccccccacat	cccttttggc	4080
227	caattttcta	gatgcctgac	ctagcagaca	gacctgtttt	cctccctgcca	ggcctttttt	4140
229	gccctccgc	taggacctg	ggaaatcccc	ctccaaacctt	ttgctggct	gtcaccagaa	4200
231	gttcataaaaa	tgaatttcatac	cagattctct	gaatcctct	tttccccagt	catgtgccaa	4260
233	cagccaggca	ataatgcccc	accgtgacag	gctccctgtt	acaaaaagat	gcagattcac	4320
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240	<212>	TYPE:	DNA				
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253	gagggtataa	tctgttggat	c				21
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265 <210> SEQ ID NO: 6
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268 <213> ORGANISM: Homo sapiens
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283 <210> SEQ ID NO: 8
284 <211> LENGTH: 19
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286 <213> ORGANISM: Homo sapiens
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292 <210> SEQ ID NO: 9
293 <211> LENGTH: 27
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298 <223> OTHER INFORMATION: Vector primer
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307 <213> ORGANISM: Homo sapiens
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314 <211> LENGTH: 27
315 <212> TYPE: DNA
316 <213> ORGANISM: Homo sapiens
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322 <210> SEQ ID NO: 12
323 <211> LENGTH: 27
324 <212> TYPE: DNA
325 <213> ORGANISM: Homo sapiens
327 <400> SEQUENCE: 12
328 ctgctccatg ctaagtgcctt ggtcttc 27
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332 <211> LENGTH: 24
333 <212> TYPE: PRT
334 <213> ORGANISM: Homo sapiens
336 <400> SEQUENCE: 13

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Input Set : A:\E5106-00003 Motoneuronotrophic Factor Gene Sequences.txt
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339 1 5 10 15
342 Leu His Thr Lys Ile His Leu Lys
343 20
346 <210> SEQ ID NO: 14
347 <211> LENGTH: 56
348 <212> TYPE: PRT
349 <213> ORGANISM: Homo sapiens
351 <400> SEQUENCE: 14
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354 1 5 10 15
357 Trp Ile Thr Tyr Asn Ile Asn Ser Ser Leu Pro Tyr Thr Leu Leu Thr
358 20 25 30
361 Pro Phe Pro Lys Gly Leu Ile Cys Ser Asn Leu Pro Val Pro Thr Val
362 35 40 45
365 Gln Trp Leu Ser Leu Pro Ser Pro
366 50 55
369 <210> SEQ ID NO: 15
370 <211> LENGTH: 78
371 <212> TYPE: PRT
372 <213> ORGANISM: Homo sapiens
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380 Arg Asn Phe Ser Lys Lys Ser Thr Pro Phe Leu Pro Pro Tyr Ile Ser
381 20 25 30
384 His Met Phe Phe Asn Thr Lys Asn Ser Val Ile Leu Glu Lys Leu Leu
385 35 40 45
388 Thr Val Leu Leu Ser Ser Lys Pro Asp Ala His Tyr Ser Ser Phe Lys
389 50 55 60
392 His Gln Thr Ser His Leu Lys Asn Met Ala Asn Ser Leu Asp
393 65 70 75
396 <210> SEQ ID NO: 16
397 <211> LENGTH: 30
398 <212> TYPE: PRT
399 <213> ORGANISM: Homo sapiens
401 <400> SEQUENCE: 16
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404 1 5 10 15
407 Pro Met Ile Ser Gly Gly Leu Ser Glu Ile Lys Ile Ser Ser
408 20 25 30
411 <210> SEQ ID NO: 17
412 <211> LENGTH: 21
413 <212> TYPE: PRT
414 <213> ORGANISM: Homo sapiens
416 <400> SEQUENCE: 17
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419 1 5 10 15
422 Gly Arg Pro Ser Thr

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/16/2006
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:9

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date